

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A thermoplastic transparent resin composition comprising:

3-15 parts by weight of small aperture polybutadiene rubber latex;

5-25 parts by weight of large aperture polybutadiene rubber latex;

40-70 parts by weight of a methacrylic acid alkylester compound or an acrylic acid alkylester compound;

15-30 parts by weight of an aromatic vinyl compound; and

1-20 parts by weight of a vinylcian compound,

wherein the small aperture polybutadiene rubber latex has a particle diameter of 600-1500 Å, a gel content of 70-95%, and a swelling index of 12-30, and the large aperture polybutadiene rubber latex has a particle diameter of 2600-5000 Å, a gel content of ~~70-95%~~ greater than 80 and not exceeding 95%, and a swelling index of 12-30, wherein the large aperture polybutadiene rubber latex with a gel content of ~~70-95%~~ greater than 80 and not exceeding 95% is produced by adhering small aperture polybutadiene rubber latex particles with a gel content of 70-95%, wherein a total refraction coefficient of the composition, excluding the polybutadiene rubber latex, is between 1.510 and 1.526.

2. (Original) The resin composition of claim 1 wherein the composition further comprises 0.2-0.6 parts by weight of an emulsifying agent, 0.2-0.6 parts by weight of a molecular weight controlling agent, and 0.05-0.3 parts by weight of a polymerization starter.

3. (Cancelled)
4. (Cancelled)
5. (Original) The resin composition of claim 1 wherein the methacrylic acid alkylester compound and the acrylic acid alkylester compound are methylmethacrylate.
6. (Original) The resin composition of claim 1 wherein the aromatic vinyl compound is selected from the group consisting of styrene, α -methylstyrene, o-ethylstyrene, p-ethylstyrene, and vinyl toluene.
7. (Original) The resin composition of claim 1 wherein the vinylcian compound is selected from the group consisting of acrylonitrile, methacrylonitrile, and ethacrylonitrile.
8. (Currently Amended) A method of manufacturing a thermoplastic transparent resin composition comprising the steps of:
 - (a) producing a small aperture polybutadiene rubber latex having an average particle diameter of 600-1500 Å, a gel content of 70-95%, and a swelling index of 12-30 by reacting butadiene at 55-70°C using a polymerization initiator;
 - (b) producing a large aperture polybutadiene rubber latex having a particle diameter of 2600-5000 Å, a gel content of ~~70-95%~~ greater than 80 and not exceeding 95%, and a swelling index of 12-30 by adhering the small aperture polybutadiene rubber latex particles; and
 - (c) performing graft copolymerization at 65-80°C by continuously or separately adding 3-15 parts by weight of the small aperture polybutadiene rubber latex of step (a), 5-25 parts by weight of the large aperture polybutadiene rubber latex of step (b), 40-70 parts by weight of a methacrylic acid alkylester compound or an acrylic acid alkylester compound, 15-30 parts by weight of an aromatic vinyl

compound, and 1-20 parts by weight of a vinylcian compound, wherein a total refraction coefficient of the composition, excluding the polybutadiene rubber latex, is between 1.510 and 1.526.

9. (Original) The method of claim 8 wherein the methacrylic acid alkylester compound and the acrylic acid alkylester compound are methylmethacrylate.
10. (Original) The method of claim 8 wherein the aromatic vinyl compound is selected from the group consisting of styrene, α -methylstyrene, o-ethylstyrene, p-ethylstyrene, and vinyl toluene.
11. (Original) The method of claim 8 wherein the vinylcian compound is selected from the group consisting of acrylonitrile, methacrylonitrile, and ethacrylonitrile.
12. (Cancelled)